11 February 1958	
	25X1

## FURTHER EXPANSION OF RELCTRONICS NAMES ACTURED IN CHURA

## (Telecommunications Combine in Poking)

A new telecommunications combine has recently been created in Peking consisting of two large plants, the Hua Pei Radio Equipment Pactory and the Peking State Electron Tube Plant. It is estimated that when full production capacity of this new combine is reached, Communist China's dependence on foreign suppliers for electronic components and equipment will be greatly reduced. As a result the drain on total Bloc resources of electronic equipment also will be greatly reduced.

However, major difficulties in the combines immediate production will delay the ultimate results as described above. These difficulties include the lack of domestic plants for processing specialized production materials and the lack of organization in high level research and development capability smooth Chinese electronics engineers.

If foreign technology and specialized production materials were imported the combine probably sould reach full production levels by 1959. It may take an additional year or so beyond 1959 to reach full production, however, should the Chinese Communists choose to depend

Approved For Release 2005/03/28: CIA-RDP62S00231A000100040096-5

entirely upon the results of their own research and development and their own processed rev materials.

The Hua Pei Andie Equipment Factory, described as Communist China's first modern and comprehensive radio equipment manufacturing plant went into production in Peking on 5 October 1957. The Peking Electron Tube:

Plant began operations on 15 October 1956.

The Hua Pei Plant, built with primary support from East Garmany, will reportedly manufacture all types of parts and test equipment for telecommunications. It is equipped with the most advanced machinery for producing electronic components, including automatic high appeal production equipment; it has departments for the production of special materials such as plastics and magnetic materials; and has a madern laboratory for research and development.

The Hua Pei and Peking Tube Plants apparently form one of the largest combines in the Sino-Soviet Bloc for the manufacture of both military and civilian radio-telecommunications equipment. It is estimated that the Peking Tube Plant will have a total production capacity in the order of 15 million tubes a year, as compared with an estimated production in the order of 30 million tubes annually for all Suropean Satellites. The Communist Chinese have thus, in a few short years, constructed a combine capable of producing about one-half as much radio communications equipment as is presently produced in all.

P. Committee of the com

into especity production, China's present dependence on imported tubes and components will be climinated, her present requirements for civilian telecommunications equipment will be met, and her immediate requirements for military electronic equipment will be partially met. In addition, according to these reports, China will be in a position to export tubes, components, and equipment.

Although Communist China has established the physical plant necessary to achieve the above aims, it is believed that several major difficulties must be overcome before capacity production can be accomplished.

The first of those difficulties is China's apparent lack of specialized production materials. No information is currently available to show that rew materials processing plants to produce these materials are yet in production -- or even established. In March 1957, Communistical agreed to order the specialized materials necessary for one 25X1

year's pro	duction (	at t	he	Ðr.	Pei	Plant	from	East	Germany.	

25X1

The second major difficulty is China's almost complete inch of organized research and development espability in the field of electronics.

A number of steps were takes by the Chinese to improve their capabilities

Approved For Release 2005/03/28 : CIA-RDP62S00231A000100040096-5

in 1957. Among these were the establishment of the Chinese Telecommunication Scientific Research Institute in Peking and the Postal Communications Research Institute in Shanghai. These institutes; as reported by Paking radio, were set up for the purpose of conducting research and development on components and equipment for Communist China's telecommunications system. A more significant step in this direction was taken in January 1955 when a five year Sino-Seviet agreement concerning "joint research in actence and technology" was signed with the USSR. Under the terms of this agreement the USSR is committed to assist China to relac the level of its scientific work. It is believed that talecommunications is one of the priority fields aposified in this agreement.

25X1

	1